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August 24, 2004

### CERTIFICATE OF MAILING 37 C.F.R. 1.8

I certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

August 24, 2004  
Date

*Michael C. Barrett*  
Michael C. Barrett

### MS AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/743,565 entitled "METHODS AND APPARATUS FOR TUNING SCINTILLATION DETECTORS" - Wai-Hoi Wong et al.*  
*Our reference: UTSC:757US*  
*Client reference: MDA02-060*

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references A1-A32 and C1-C10.

No fees are believed to be due in connection with the filing of this Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/UTSC:757US.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

*Michael C. Barrett*

Michael C. Barrett  
Reg. No. 44,523

MCB/kmv  
Encl.: as noted



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Wai-Hoi Wong et al.

Serial No.: 10/743,565

Filed: December 22, 2003

For: METHODS AND APPARATUS FOR  
TUNING SCINTILLATION DETECTORS

Group Art Unit: 2878

Examiner: Unknown

Atty. Dkt. No.: UTSC:757US

CERTIFICATE OF MAILING  
37 C.F.R. 1.8

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August 24, 2004

Date

*Michael C. Barrett*

Michael C. Barrett

**INFORMATION DISCLOSURE STATEMENT**

**MS AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

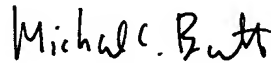
In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/UTSC:757US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Michael C. Barrett  
Reg. No. 44,523  
Attorney for Applicants

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Date: August 24, 2004

Form PTO-1449 (modified)

Atty. Docket No.

UTSC:757US

Serial No.

10/743,565

List of Patents and Publications for Applicant's

Applicant

Wai-Hoi Wong *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

December 22, 2003

Group:

2878

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

See Page 2

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,033,884	7/05/77	Lorch <i>et al.</i>	250	496	1/24/75
	A2	4,272,677	6/09/81	Berthold and Kubisiak	250	252	6/12/79
	A3	4,424,446	1/03/84	Inbar <i>et al.</i>	250	363 S	6/19/80
	A4	4,517,460	5/14/85	Meulenbrugge <i>et al.</i>	250	252.1	6/18/82
	A5	4,582,995	4/15/86	Lim <i>et al.</i>	250	363 S	6/18/84
	A6	4,588,897	5/13/86	Inbar <i>et al.</i>	250	363 S	4/11/83
	A7	4,647,779	5/03/87	Wong	250	363 R	5/13/85
	A8	4,677,299	6/30/87	Wong	250	363 S	10/18/85
	A9	4,733,083	3/22/88	Wong	250	363 S	6/18/86
	A10	4,755,679	7/05/88	Wong	250	363 S	6/19/86
	A11	4,868,392	9/19/89	Wong	250	363.03	5/05/88
	A12	4,883,966	11/28/89	Wong	250	363.02	5/05/88
	A13	5,237,173	8/17/93	Stark <i>et al.</i>	250	252.1	4/01/92
	A14	5,272,344	12/21/93	Williams	250	363.03	11/10/92
	A15	5,319,204	6/07/94	Wong	250	363.03	5/13/92
	A16	5,373,161	12/13/94	Tararine and Bernard	250	363.09	1/26/94
	A17	5,384,699	1/24/95	Levy and Warner	364	413.13	8/26/92
	A18	5,410,153	4/25/95	Ferreira	250	363.09	7/27/93
	A19	5,421,215	6/06/95	Cure <i>et al.</i>	73.	864.53	2/02/93
	A20	5,449,897	9/12/95	Bertelsen and Hines	250	207	10/03/94
	A21	5,451,789	9/19/95	Won and Hicks	250	363.03	6/19/93
	A22	5,453,610	9/26/95	Gibbons	250	207	5/20/94
	A23	5,453,623	9/26/95	Wong and Uribe	250	363.03	6/01/94

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. UTSC:757US	Serial No. 10/743,565
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	Applicant Wai-Hoi Wong <i>et al.</i>	
	Filing Date: December 22, 2003	Group: 2878
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 2</i>	Other Art <i>See Page 2</i>

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A24	5,491,342	2/13/96	Lim <i>et al.</i>	250	363.09	11/10/94
	A25	5,525,794	6/11/96	Gibbons	250	207	8/31/95
	A26	5,677,536	10/14/97	Vickers	250	363.09	6/19/96
	A27	5,825,031	10/20/98	Wong and Uribe	250	363.03	10/11/96
	A28	6,091,070	7/18/00	Lingren <i>et al.</i>	250	370.09	7/03/97
	A29	6,121,619	9/19/00	Johnsen <i>et al.</i>	250	369	8/13/98
	A30	6,140,650	10/13/00	Berlad	250	363.09	1/26/98
	A31	6,310,349	10/30/01	Wong and Li	250	363.09	5/07/98
	A32	6,342,698	1/29/02	Stark	250	363.09	8/03/98

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Badawi <i>et al.</i> , "A comparison of normalization effects on three whole-body cylindrical 3D PET systems," <i>Phys. Med. Biol.</i> , 45:3253-3266, 2000.
	C2	Badawi <i>et al.</i> , "Algorithms for calculating detector efficiency normalization coefficients for true coincidences in 3D PET," <i>Phys. Med. Biol.</i> , 43:189-205, 1998.
	C3	Defrise <i>et al.</i> , "A normalization techniques for 3D PET data," <i>Phys. Med. Biol.</i> , 36(7):939-952, 1991.
	C4	Geworski <i>et al.</i> , "Multicenter comparison of calibration and cross calibration of PET scanners," <i>J. Nucl. Med.</i> , 43(5):635-639, 2002.

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		Filing Date: December 22, 2003	Group: 2878
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 2</i>	Other Art <i>See Page 2</i>	

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C5	Huber <i>et al.</i> , "Characterization of a 64 channel PET detector," <i>IEEE Transactions on Nuclear Science</i> , NS-44, 1197-1201, 1997.
	C6	Matheoud <i>et al.</i> , "Changes in the energy response of a dedicated gamma camera after exposure to a high-flux irradiation," <i>Phys. Med. Biol.</i> , 44:N129-N135, 1999.
	C7	Moses and Derenzo, "Design studies for a PET detector module using a pin photodiode to measure depth of interaction," <i>IEEE Transactions on Nuclear Science</i> , NS-41, 1441-1445, 1994.
	C8	Reist <i>et al.</i> , "Study on the stability of the calibration and normalization in PET and the influence of drifts on the accuracy of quantification," <i>Eur. J. Nucl. Med.</i> , 15(11):732-735, 1989.
	C9	Uribe <i>et al.</i> , "Effect of photomultiplier gain-drift and radiation exposure on 2D-map decoding of detector arrays used in positron emission tomography," <i>IEEE Nuclear Science Symposium and Medical Imaging Conference Record</i> , San Diego, CA, November 6-10, 2001.
	C10	Yao <i>et al.</i> , "Pre-processing variance reducing techniques in multispectral positron emission tomography," <i>Phys. Med. Biol.</i> , 42:2233-2253, 1997.

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